

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: July 4, 2001, 20:08:38 ; Search time 109.03 Seconds
(without alignments)
6264.834 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687

Sequence: 1 atgagatagagaaaaagctgtc.....ttacatctatataaagtaa 3687

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA:*
1: /cgnl_7/ptodata/1/ina/5A.COMB.seq:*
2: /cgnl_7/ptodata/1/ina/5B.COMB.seq:*
3: /cgnl_7/ptodata/1/ina/6A.COMB.seq:*
4: /cgnl_7/ptodata/1/ina/6B.COMB.seq:*
5: /cgnl_7/ptodata/1/ina/6C.COMB.seq:*
6: /cgnl_7/ptodata/1/ina/Backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	ID	Description
1	56.8	1.5	4248	3	US-08-678-614-1
2	56.2	1.5	397	4	US-09-253-691-3
3	53.4	1.4	7218	1	US-08-232-463-14
4	51.4	1.4	7291	4	US-08-913-942-3
5	51	1.4	2241	2	US-08-785-431-3
6	51	1.4	2367	2	US-08-785-431-1
7	49.8	1.4	5738	1	US-08-409-995-3
8	49.8	1.4	5738	1	US-08-685-467-3
9	49	1.3	5361	4	US-08-973-462-2
10	49	1.3	6152	4	US-08-973-462-1
11	48.8	1.3	2223	1	US-08-257-073-4
12	47.4	1.3	3095	6	5231168-1
13	46.6	1.3	4766	5	PCT-0593-07261-10
14	45.2	1.2	921	2	US-08-795-475-2
15	45.2	1.2	1308	2	US-08-795-475-4
16	45.2	1.2	5511	3	US-08-928-361B-2
17	45.2	1.2	7334	3	US-08-928-361B-1
18	45	1.2	3279	4	US-08-446-137B-1
19	44.6	1.2	14602	1	US-08-597-236-1
20	44.6	1.2	14602	1	US-08-746-682A-1
21	44.4	1.2	1867	1	US-07-772-087-1
22	43.8	1.2	1891	4	US-08-973-462-3
23	43.6	1.2	1555	4	US-08-669-408B-9
24	43.2	1.2	876	4	US-08-446-137B-3
25	43.2	1.2	4197	2	US-08-682-517-7
26	43.2	1.2	4197	2	US-08-682-517-8
27	43.2	1.2	19124	2	US-08-487-826B-13

28	42.6	1.2	835	4	US-08-961-083-93	Sequence 93, Appl
29	42.6	1.2	1714	4	US-08-961-083-3	Sequence 3, Appl
30	42.4	1.1	372	1	US-08-094-128A-24	Sequence 24, Appl
31	42.4	1.1	372	1	US-08-455-674-24	Sequence 24, Appl
32	42.4	1.1	372	1	US-08-455-992-24	Sequence 24, Appl
33	42.4	1.1	372	1	US-08-455-972-24	Sequence 24, Appl
34	42.4	1.1	372	5	PCT-US92-00652-24	Sequence 24, Appl
35	42.4	1.1	4977	1	US-08-450-257-14	Sequence 14, Appl
36	42.4	1.1	4977	1	US-08-450-246-14	Sequence 14, Appl
37	42.4	1.1	4977	1	US-08-450-098-14	Sequence 14, Appl
38	42.4	1.1	4977	1	US-08-451-233-14	Sequence 14, Appl
39	42.4	1.1	4977	1	US-08-450-236-14	Sequence 14, Appl
40	42.4	1.1	7904	1	US-08-316-239B-1	Sequence 1, Appl
41	42.4	1.1	7904	1	US-08-316-239B-2	Sequence 2, Appl
42	42.4	1.1	7904	1	US-08-410-005-1	Sequence 1, Appl
43	42.4	1.1	7904	3	US-08-929-140-1	Sequence 1, Appl
44	41.8	1.1	1498	1	US-07-965-668A-1	Sequence 1, Appl
45	41.8	1.1	1498	2	US-08-950-433-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-678-614-1
Sequence 1, Application US/08678614
Patent No. 6013507
GENERAL INFORMATION:
APPLICANT: Tomasz, Alexander
APPLICANT: Delencastre, Herminia
TITLE OF INVENTION: AUXILIARY GENES AND PROTEINS OF
NUMBER OF SEQUENCES: 1
TITLE OF INVENTION: METHICILLIN RESISTANT BACTERIA AND ANTAGONISTS THEREOF
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/678,614
FILING DATE: 10-JUL-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-139
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4248 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Staphylococcus aureus
STRAIN: RUSA 266
FEATURE:
NAME/KEY: ORF
LOCATION: 154..1410
FEATURE:

NAME/REV: ORF
LOCATION: 1497..3500
US-08-678-614-1

Query Match 1.5%; Score 56.8; DB 3; Length 4248;
Best Local Similarity 41.6%; Pred. No. 0.0031;
Matches 697; Conservative 0; Mismatches 942; Indels 35; Gaps 4;

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OY 52 agtgaattgtcgcgcaatcccaacgcttttgaagcgcgctgaagatgttagcaaaagta 111
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DB 2544 AATGCGAGCTAAAGTTTGTGGTTTAAAGCAATGGAAGCAGACAGCTCCACAAGATTTA 2603
OY 112 gtaagccaagcaaaagcacagttccaaaaagcatctactatcactacagcacaagta 171
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2604 GAAAGAGTTAAAGCAAGCAAAATTCGAAATTTAGTACAGCTCTACGCGAANA 2663
OY 172 gaactgtgtgaatcccaacatacgaatgtatagtctgaalacaaacgaagcgaanaa 231
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2664 AAAATGATGCTCT-----ATAATGAAGTTTAAACAGCTGCAACGCTGAGAAA 2711
OY 232 cgatcccgagtcggtgagcattagtgaaataagcagcggtgagcgaanaagacgttac 291
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DB 2712 GCTCAAAATGCTACAGTTTCAATGCAACAAATGAAGAGTGAAGAGCTGATGCGCA 2771
OY 292 ttagctgattcaaaaaaagataataaacttaagcttttcaaaagcaaaccttaactltagc 351
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2772 GTAGATGCGAGCTCAAAAGCAGGTTTACATGATGATCCAGTTTAAATCAAAACGGA 2831
OY 352 gaagctcgtgtgagcaactacatcgatgcttaacaactlgaacaaactltagcgaatg 411
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2832 GTTGGTGATACAAATCAAAAGTATTTAGATTAATCAATGCAATTCACACAGCAAAA 2891
OY 412 cgcgaagcctgagagcgctgtgttcaagcaaaagatttgaanaagcagaacatactat 471
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2892 GTTAAACCTGCGAGCTGATAGGAGTAGAAGAAAGCATATATATACGTAACCAAGAAAT 2951
OY 472 cacaacatccttaagaaataaactgcacagctcattttagatcgctatagtaaa 531
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DB 2952 CAAATATGCAATGCTTCACTACAGAGAAAGAAACAAAGCTGATATACAAATTTAGTACT 3011
OY 532 acaactcgtgatttactctgcctcatcatttaagcaaaagcagaactcgcgcagc 591
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DB 3012 AAAAAGCAAGAGCAAGCAAAATCTTGTGCTGCAAAATCAACAGTATTAACANCA 3071
OY 592 ttaattatgatatattacgcttgcaatgaagcgcgcgaagtcaagaagcgtlgaagaa 651
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DB 3072 GCTAAAGCAATAGTATGCTGCAATTAATCAAGTTTCAAGCTGCCACAACTAAGAAATCG 3131
OY 652 ggcatttagaagaagcctaagcgtgctgtga tcaaatcaatcaacttaccaaaagta 711
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3132 G---ATGCAAAAAGCGAAMATGCTCAAAAAGCAAGTGAAGGTAACACCAATTTGAAGCA 3188
OY 712 acagatgcttcaaaactgaactaacagaagttagcgaanaaagcatttagtcagatgaa 771
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3189 ATGAATGATTTCCACATCTGAAGAACACACAGCAGCAAAAGACAAAGTGATCAAGAGTA 3248
OY 772 gctgagcttacccaaaagttaagtgtaagtgatgaataaacaccacaagaagcgtt 831
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3249 GTTACTGCAAAAGCTGATATATAGATATGCTGACGCAAAACAAATGATGATATGCAANA 3308
OY 832 gaattaaacagcagctacagtgaaacgaacactaaattcaactt-----cagctgctg 886
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3309 CTACAAATGAACTACATTCGACAGCATTTACACCTGATGCAAAATGTTAAACACAGCA 3368
OY 887 caaatgaagatacagtaaacgttaaatctactgtactatataaagtggacggtlaacatlc 946
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3369 AACCAAGCAATTCAGATTAAGTACAGCTCAAGAAACAGCAATTTGATGAATTAACGGCT 3428
OY 947 cattgcccctatacgcgagatgttcttcttctacagagcgaanaaactatacactgtgg 1006
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3429 CAAACAAGTAAGCAAAAGAGCTGCTAAACAAAGTTCAACATGAMMAAMACACAGCTG 3488
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OY 1007 atgcttcaatccatctcgaanaataacagagataaagtagtagtaaggtatlaaag 1066
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DB 3489 ATGCCGCAATFAGATGACGACATFACAAATGCGGAAGTTGACGCGGTAAAAAGCAGCA 3548
OY 1067 acaaaaatgcaagaatlaaagaatgcaatcaacttcaagcttgaatgatgctg 1126
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DB 3549 TTGCTTAAATTTCAAGGATTTACGCCACGCAACAACTAAGATTAATGGAAGACAGCA 3608
OY 1127 tagtctactaatgttttggaaactaatgtaagaa-----acaacactctg 1171
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DB 3609 TTGCTTACGAACGCAATGACGTTAAACAGCAATGCTTAAACGCAAGCATTTACTGCTG 3668
OY 1172 taacttagcagcaggtactcttcgaactcgaactgaacttlaacagtagtattgaagt 1231
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DB 3669 AAGAAATTCAGCGCGGTAAATGCGGACGATGATATGCTGTGACACAGCAAAATFAGCAACA 3728
OY 1232 tgttagcactgaaactgtaaacagctgacgttactatctacagatgttgaactggaa 1291
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3729 TTGAAAGCTGCTTAATGATGCTAAATGATGTAACCAAGCGAAGACAGCTGAAAAATGTA 3788
OY 1292 aacgactccagtaattgtatctacttctgcttctacaaacttactttagcgttaaaag 1351
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DB 3789 TTGATCAAGTACACCAACAGTTAATTAACAACTGACAGTATGCAATCAGACGA 3848
OY 1352 cgttagtaactgtgtaacacataaaactgtctatcaataatgtlaaaacattactglt 1411
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3849 TTTTAAATTAACAATTTGCAAGAGATTTCAAGCTAGCGCAGATGCAACAGATGAAGAAAC 3908
OY 1412 acaatgcaagaacttaagagttagtgctcactgcgaagcactcagcaccactgtgtcta 1471
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DB 3909 AAGCAGCTGATGCTGAAAGCAAAATGCTGAAATGTAACCAATGCAAGCATTTGACGCG 3968
OY 1472 cgcgtccactactttaggtgtgtactaacttctactgcttctcttcaaaacatglt 1531
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DB 3969 CAATCTTACGACCAAGATTTGATGAAGTAAAGCAAAATGCAAAAGCAGGATTAATGCGG 4028
OY 1532 ggggttaaatgtgctgtgtgtgaatgaagctggaacttattatcctgtgtccaatla 1591
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 4029 TAAACCCAAATGTTTGAAGAAACAAAGCGGTAAAGATGAATTTGATCAATTAACAGCA 4088
OY 1592 caacaagcttgcctactaagtagaagaatcaactttagctgaataactlgtatagttg 1651
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DB 4089 CCGCAACAAATGTTTCAATTAATGATCAAGACGCTACAAACAGAAAGAAAGCAGCTA 4148
OY 1652 aaaaagaactgtgtaacgtgtgtgttctggaactaaataataatgaagcgtta 1705
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DB 4149 TTCAACAAATTAACACAGCATTTACAGACGCGAAMAAATTAATTAACAGCTGCCAA 4202
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RESULT 2

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US-09-253-691-3/c
; Sequence 3, Application US/09253691
; Patent No. 6124100
; GENERAL INFORMATION:
; APPLICANT: Dong Kyu JIN
; TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
; TITLE OF INVENTION: Using Trinucleotide Repeats Sequence
; FILE REFERENCE: 1942/36
; CURRENT APPLICATION NUMBER: US/09/253,691
; EARLIER FILING DATE: 1999-02-22
; EARLIER APPLICATION NUMBER: KR 98-6,278
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: WordPerfect 6.1/Windows
; SEQ ID NO 3
; LENGTH: 397
; TYPE: DNA
; ORGANISM: human
US-09-253-691-3
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Query Match 1.5%; Score 56.2; DB 4; Length 397;
Best Local Similarity 47.3%; Pred. No. 0.00017;

RESULT 3
 US-08-232-463-14/C
 : Sequence 14, Application US/08232463
 : Patent No. 5670367
 : GENERAL INFORMATION:
 : APPLICANT: DORNER, F.
 : APPLICANT: SCHEFFLINGER, F.
 : APPLICANT: FALKNER, F. G.
 : TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 : NUMBER OF SEQUENCES: 52
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Foley & Lardner
 : STREET: 1800 Diagonal Road, Suite 500
 : CITY: Alexandria
 : STATE: VA
 : COUNTRY: USA
 : ZIP: 22313-0299
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patentln Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/232,463
 : FILING DATE:
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US/07/935,313
 : FILING DATE:
 : APPLICATION NUMBER: EP 91 114 300.6
 : FILING DATE: 26-AUG-1991
 : ATTORNEY/AGENT INFORMATION:
 : NAME: BENT, Stephen A.
 : REGISTRATION NUMBER: 29,768
 : REFERENCE/DOCKET NUMBER: 30472/114 IMMU
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (703)836-9300
 : TELEFAX: (703)683-4109
 : TELEX: 899149
 : INFORMATION FOR SEQ ID NO: 14:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 7218 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : IMMEDIATE SOURCE:

[illegible]

RESULT 4
 US-08-913-942-3
 Sequence 3, Application US/08913942
 Patent No. 620578
 GENERAL INFORMATION:
 APPLICANT: St. Geme, Joseph
 APPLICANT: Barekamp, Stephen J.
 TITLE OF INVENTION: HAEMOPHILUS ADHESION PROTEINS
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Flehtr Hohnach Test Albritton & Herbert LLP
 STREET: Four Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: California
 COUNTRY: United States
 ZIP: 94111-4187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/913.942
 FILING DATE: 29-DEC-1997
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US
 FILING DATE: 24-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/4031
 FILING DATE: 22-MAR-1996
 ATTORNEY/AGENT INFORMATION:

NAME: Vance, Dolly A.
REGISTRATION NUMBER: 39, 054
REFERENCE/DOCKET NUMBER: A-61053-1/REF/RMS/DAY
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 7291 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 163..7221
US-08-913-942-3

Query Match 1.4%; Score 51.4; DB 4; Length 7291;
Best Local Similarity 45.3%; Pred. No. 0.0071;
Matches 276; Conservative 0; Mismatches 321; Indels 12; Gaps 2;

QY 601 gatattaccgttcgaatgaagcgcgcgaagtaacaagacgctgtgaagcagcaattca 660
DB 1714 GGTACGACGAGTACAAACCATCAACCGTAAACCAAGATGGCATTTAAACAGGTATATA 1773
QY 661 gacaaagctaaagctgctgttcatcaatcaatcaatcaatcaatcaatcaatcaat 720
DB 1774 GGTATTACTAAAGTTCGCGAGTGTAAAGCTTATAGACGATCGCAATTT--TGATGTT 1830
QY 722 tccaacacgaactcaagtagcgaagaaagcattagatgcagatgaagctgctt 780
DB 1831 TTAATACTCTGCACATCTATTAAATACACACGTTGAAGATGCTTATTAAGTTTATTA 1890
QY 781 actccaaagctgaagtgtaagtgcatcaactcaacaaagcgtgtgaattaca 840
DB 1891 AATCTTAAATGAAAAAATGCAAT-----AAACAACCGTGTGTGACACGACG 1941
QY 841 gcaagtaacagtgtaagcgaacactaaattacaacttcaagctgcgtgcgaatgaatata 900
DB 1942 GCGGCGACTGTAGCGCATTTACGTAAATTGGGTTGGGTAGTATCAACCAAAAACGGTAGC 2001
QY 901 gtaaacgttaactgttactatcaataagtcgaagcgttaaatccattgccttaatt 960
DB 2002 AAAGAAGAAAGCAATCAATTAACAAGCTGATGAAGTCTCTTTACCGGACCGGTGCT 2061
QY 961 acggaagatgttcttattactacagaagaaaactataactgtagtgccttaactca 1020
DB 2062 GGTACGGTACTTCCAAATCTGAAAAACGTTAAACATACGATTACCGTTAGTGTGCGAA 2121
QY 1021 ttcgaataatactagagataaagtagtagttaaaggttaagaaagcaaaatgcaaa 1080
DB 2122 ACTAAAGCCGATTTGCGCTTGAAAAAGATGGCGATACTATTTAAGCTCAAGTGGATAT 2181
QY 1081 gaatttaagaagatgacttcaacttcaagcttcgaatgaatgacttgaactcaagtg 1140
DB 2182 CAATAACATGATTAATGTTTAACTGTGTGTAATTAATGATGCTGTCTCACTAAAGTGGC 2241
QY 1141 ttgtgaactaatgtaacaacaacactctgttaacttgcagcagctgacttctgaact 1200
DB 2242 TTTGAAACTGTTAAAACTGAGCGACTGATGAGATCGCGGTAAAGTAACTGTAAAGAT 2301
QY 1201 gacgaatct 1209
DB 2302 GCTACTGCT 2310

RESULT 5
US-08-785-431-3
Sequence 3, Application US/08785431
Patent No. 5891667

GENERAL INFORMATION:
APPLICANT: Chalke, Alison
APPLICANT: Hodgson, John
TITLE OF INVENTION: No. 5891667el SpoilIIE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,431
FILING DATE: 17-JAN-1997
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 9600955.0
FILING DATE: 17-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimm, Edward R
REGISTRATION NUMBER: 38, 891
REFERENCE/DOCKET NUMBER: P31349
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2241 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-08-785-431-3

Query Match 1.4%; Score 51; DB 2; Length 2241;
Best Local Similarity 47.8%; Pred. No. 0.0056;
Matches 181; Conservative 0; Mismatches 195; Indels 3; Gaps 1;

QY 2195 atgcgaatcctttagaactaatatatactataactttcaacttgaagtgcaagcgtta 2254
DB 701 ATGCAGAGATAGTTGGAATTAATCAATCAACAGACAGATCAAGACCAATTAA 760
QY 2255 cagccccaacggttcaaaaagatcaaaagtgatcttcttaaaagaagcgtgaagta 2314
DB 761 CAGAACCAACTATTAACATGTGTAAGTGAAGCAAAACATTAATGAAGAGCTGTGAAGTTA 820
QY 2315 ctacaactcgaagctgtagtgcaggtcaaaatcaactatactcaatttagcgaagataa 2374
DB 821 CCAAGTATCTGATGTGTTCACACCGTTAACTTACTTAATCAACCTGCAAAAACAAAG 880
QY 2375 aaacttctagtgcttcttagtgagtggtgcaagtaactgtcgaagaattacaacaacag 2434
DB 881 CAACATCTTAAACCTGAAGTACAAAGCAACAGTACTAGAGAAATCAATTAAGATT 940
QY 2435 gatggtagatgctgttactggaacaactgtatcagttgctcctaagacagatgcaatg 2494
DB 941 TTGGGTAATGCA--AAAGTACACCAATTAATTTGCTCTCGACGTAACCTCAATATAG 997
QY 2495 gtaagtaacagctgctgtgttactaacttaactgtcttgacaataacgaacaagatgca 2554
DB 998 AAATTCACACCACTCAAGGGGTTAAAGTGAATTAATGTAACCTGCAATATGATATTG 1057
QY 2555 aatgctgtgtagtaga 2573
DB 1058 CATTAAGCTTTAGCACCAAA 1076

Query Match 1.3%; Score 49; DB 4; Length 5361;
Best Local Similarity 45.6%; Pred. No. 0.023;
Matches 215; Conservative 0; Mismatches 250; Indels 6; Gaps 1;

OY 1880 aaatgagcagctgattaaagaaagctgaagctcaagaatttactgtgaaagttctcg 1939
DB 1118 aaagctgaagaagaataatgttgaagaagtgagctgaagaatgttgaagaagtgtagcg 1177
OY 1940 agaatltaatacatatttaatgtctacacccgtttccggtgtagcacaatcacatagctcaag 1999
DB 1178 aaatgttgaagaagaatgttgaagaagtgtagcgaagaagtgtagctgaagaagtgtagcg 1237
OY 2000 tgcgtgttaaaagcgggtgcaaaacttatctcttaccagcaagttgacatcattccag 2059
DB 1238 aaagtgtgagcgaagaatgttgaagaatcgttagctccaaactgttgaagaatcgttagctc 1297
OY 2060 ctatgttgaagcgtgttactgttcaagatggaacacacaaagtg-----aaagttgctg 2113
DB 1298 caactgttgaagaagaatgttgaagctccaaagtgtagaagaagtgtagctccaaagtgtagcg 1357
OY 2114 ctaaccaattagaacgtaaaccaagggtacaaatagtagtgttcggtlaaagtgcaacag 2173
DB 1358 aaagtgtgaagaagaatgttgaagaagtgtagctgaagaatgttgaagaagtgtagctg 1417
OY 2174 ctccgtttaaagatgtgtcgaatgcaaatcatttgaacttaactatcattacattta 2233
DB 1418 aaatgttgaagaagaatgttgaagctgaagaatgttgaagaagtgtagctgaagaagtgtagcg 1477
OY 2234 caactgaagctgaagcgttaacagcaccacaaagcttacaagaatccaagtgatctt 2293
DB 1478 aaagtgtgagctgaagaatgttgaagaagtgtagctgaagaatgttgaagaagtgtagctg 1537
OY 2294 taaagaacgctgagctgactactacacttaccagcgttgaaggtcaca 2344
DB 1538 aaatgttgaagaagaatcgttagctccaaactgttgaagaatcgttagctccaa 1588

RESULT 10

US-08-973-462-1
; Sequence 1, Application US/08973462B
; Patent No. 6191270
; GENERAL INFORMATION:
; APPLICANT: DRUIHE, PIERRE
; APPLICANT: DAUBERSIES, PIERRE
; TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
; FILE REFERENCE: 0660-0125-0 PCT
; CURRENT APPLICATION NUMBER: US/08/973,462B
; CURRENT FILING DATE: 1998-02-06
; EARLIER APPLICATION NUMBER: PCT/FR96/00894
; EARLIER FILING DATE: 1996-06-12
; EARLIER APPLICATION NUMBER: FR 95/07007
; EARLIER FILING DATE: 1995-06-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 6152
; TYPE: DNA
; ORGANISM: P. falciparum
US-08-973-462-1

Query Match 1.3%; Score 49; DB 4; Length 6152;
Best Local Similarity 45.6%; Pred. No. 0.024;
Matches 215; Conservative 0; Mismatches 250; Indels 6; Gaps 1;

OY 1880 aaatgagcagcctgattaaagaagctcaagaatttactgtgaaagttctcg 1939
DB 1362 aaagtgtgaagaagaatgttgaagaagtgtagctgaagaatgttgaagaagtgtagcg 1421
OY 1940 agaatltaatacatatttaatgtctacacccgtttccggtgtagcacaatcattcag 1999

DB 1422 aaatgttgaagaagaatgttagctgaagaatgttgaagaagtgtagctgaagaatgttgaag 1481
OY 2000 tgcgtgttaaaagcgggtgcaaaacttatcttaccagcaagtgacatcattccag 2059
DB 1482 aaagtgtgagctgaagaatgttgaagaatcgttagctccaaactgttgaagaatcgttagctc 1541
OY 2060 ctatgttgaagcgtgttactgttcaagatggaacacacaaagtg-----aaagttgctg 2113
DB 1542 caactgttgaagaagaatgttagctccaaagtgtagtgaagaagtgtagctccaaagtgtagcg 1601
OY 2114 ctaccaattagaagcgttaacaaagggtacaaatagtagtgttcggtlaaagtgcaacag 2173
DB 1602 aaagtgtgaagaagaatgttgaagaagtgtagctgaagaatgttgaagaagtgtagcg 1661
OY 2174 ctccgtttaaagatgtcgtcgaatgcaaatcatttgaacttaactatcattacattta 2233
DB 1662 aaatgttgaagaagaatgttagctgaagaatgttgaagaagtgtagctgaagaatgttgaag 1721
OY 2234 caactgaagctgaagcgttaacagcaccacaaagcttacaagaatccaagtgatctt 2293
DB 1722 aaagtgtgagctgaagaatgttgaagaagtgtagctgaagaatgttgaagaagtgtagctg 1781
OY 2294 taaagaacgctgagctgactactacacttaccagcgttgaaggtcaca 2344
DB 1782 aaatgttgaagaagaatcgttagctccaaactgttgaagaatcgttagctccaa 1832

RESULT 11

US-08-257-073-4
; Sequence 4, Application US/08257073
; Patent No. 5766597
; GENERAL INFORMATION:
; APPLICANT: PAOLETTI, ENZO
; APPLICANT: de Taisne, Charles
; APPLICANT: Tine, John A.
; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CURTIS, MORRIS & SAFFORD, P.C.
; STREET: 530 Fifth Avenue, 25th Floor
; CITY: New York
; STATE: New York
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/257,073
; FILING DATE: 09-JUN-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/075,783
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/852,305
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/672,183
; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333
; TELEFAX: (212) 840-0712
; TELE: 425066 CURTMS
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2223 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-257-073-4

Query Match 1.3%; Score 48.8; DB 1; Length 2223;
Best Local Similarity 42.1%; Pred. No. 0.018;
Matches 543; Conservative 0; Mismatches 732; Indels 15; Gaps 4;

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OY 558 atttaagaagaagcacaagaacttcgcagcagcttaattatgatataacggttgaat 617
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 534 ATTTTAAAGATTAAATGCAATCAAAAAGCTACCTCTTTTGTGTAACCAAAAAAAT 593
OY 618 gaagcgcgcgaagtagcagacgcttgaaagcagcaatttagagcaagctaaagctgc 677
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 594 TATTTCTTAAATCACAAGGTCATTAATAAAGAAACCTCACAATAATCAATAATTA 653
OY 678 tcttgatcaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat 737
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 654 CCACATCAAAATATCAAGAGTTAATGATGAAGTGAATGATGAAGAGATGAC 713
OY 738 aagaagtagaagaagaagcttagatgcagatgaagctgccttaccacaaggttgaag 797
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 714 AACGATGACGAAGATACATACGATGAAGATGAAGATGAAGATGAAGATGAAGATGA 773
OY 798 tgaatgtagatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaatga 857
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 774 TCAACGAAGTACTAACGATGAAGAGATGATCAACGAGAGAGATGATCAAGATTAATA 833
OY 858 aacactaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat 917
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 834 TCTACAGCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 893
OY 918 agctatctataagtgagagtgagagtgagagtgagagtgagagtgagagtgagagtg 977
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 894 AATATGATGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 950
OY 978 atctacagaagcgaagaacatcacatcgttgatgcttcaatcctcgaatcaatcaat 1037
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 951 AGGTGATTAAGAGATGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1010
OY 1038 gataaagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1097
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1011 AATATTATTAACATTAACATTAACATTAACATTAACATTAACATTAACATTAACAT 1070
OY 1098 atctact--tcaagctcgaagaatgagtgagtgagtgagtgagtgagtgagtgag 1154
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1071 TTTAGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1130
OY 1155 aacaaacacacactctctgaacttagcagcagtagcttcgaacatcgatcatttaac 1214
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Db 1131 TTTGAAACCAATGTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1190
OY 1215 agtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1274
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Db 1191 AATATGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1250
OY 1275 agatctgacatgcaagaacatcgaatgcatcattcctcgtgtcacaattac 1334
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1251 TTAATGAAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1309
OY 1335 tattaagtaagaagcgttagtagtagtagtagtagtagtagtagtagtagtagtagtag 1394
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1310 TATTTAGTAAAGTTAAACCTTAATTAATAAATTAATAAATTAATTAATTAATTAAT 1361
OY 1395 taataacatgaactggttacaatgcagaagcttagcagtagtagtagtagtagtagtag 1454
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1362 TAAAGAAAAAAGAGATTAATCAAGCAGTGAATACCAAAAGTATGAAGAGAGAGAGAG 1421
OY 1455 agcacaacatgcttagcagcctcactacttagtagtagtagtagtagtagtagtagtag 1514
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1422 ACCACAAACGCTTTAGAGGTGTTGAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1481
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OY 1515 tcttaacaacaatgcttgagggaatgctgctgctgctgctgctgctgctgctgctgct 1574
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1482 TAAATATGTTATGATGATGAATGATGATGATGATGATGATGATGATGATGATGATGAT 1541
OY 1575 tcttgcttcaatcacaagaagcttgcttagtagtagtagtagtagtagtagtagtagtag 1634
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1542 ACCATTATGTTGACCAACCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 1601
OY 1635 taacttgatagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1694
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1602 TATGATGAAAAATTTGATTAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 1661
OY 1695 tgcagacgttaaatgcttagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1754
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1662 TGAATAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1721
OY 1755 tcaaatcaaatcaaatcaaatcaaatcaaatcaaatcaaatcaaatcaaatcaaatca 1814
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1722 ACCACTTAAAAATGGAATGTTAGTGAACCAATTAATTAATTAATTAATTAATTAAT 1781
OY 1815 cgagaacaatatagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 1844
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1782 TAAAAAACATTTGAAGCTATTAACACGA 1811
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```
RESULT 12
5231168-1
; Patent No. 5231168
; APPLICANT: DIEZEL, MORTEN; BORRE, MARTIN; JEPSEN, SOREN;
; VUUST, JENS; RIENECK, KLAUS; WIND, ANNETTE; JAKOBSEN, PALLE H.
; TITLE OF INVENTION: MALARIA ANTIGEN
; NUMBER OF SEQUENCES: 19
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/409,658
; FILING DATE: 18-SEP-1989
; SEQ ID NO: 1
; LENGTH: 3095
5231168-1
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Query Match 1.3%; Score 47.4; DB 6; Length 3095;
Best Local Similarity 42.1%; Pred. No. 0.044;
Matches 270; Conservative 0; Mismatches 371; Indels 0; Gaps 0;

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OY 417 agagcttagagctgctgcttcaagaagaagatttagaagaagaagaacatctatcacaa 476
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1269 agaggttgaagaatcttcaacgaagatgataaaatgaaagcttgaacatgaataagt 1328
OY 477 aatctctatgaatcaaatcaaatcgcacagtcatttagatcgcgtatattgtaaacacac 536
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1329 agaaagttgaagaatcttcaacgaagaataaaatgaaagcttcaacatgaataagttaga 1388
OY 537 tctgtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtagtag 596
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1389 ggttgaagaatcttcaacgaagaataaaatgaaagcttgaacatgaataagttagaagt 1448
OY 597 ttatgatattacgcttgcattgaagaagcgcgcgtatgaaagcgcgttgaagaagcagaa 656
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1449 tgaagaatcttcaacgaagaataaaatgaaagcttcaacatgaataagttagaagttaga 1508
OY 657 tttagacaagaagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctg 716
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1509 agaaatcttcaacgaagaataaaatgaaagcttcaacatgaataagttagaagaagttaga 1568
OY 717 tgccttcaaacctgaactcaacgaagtagcgaagaagaacattagatgtagatgaagctgc 776
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1569 aattctacagaagaataaaatgaaagcttcaacatgaataagttagaagaagttaga 1628
OY 777 gcttagtcaagaagcttgaagaagtagtagtagtagtagtagtagtagtagtagtagtagtag 836
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1629 tctaccagaagaataaaatgaaagcttcaacatgaataagttagaagaagttagaagaat 1688
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```

; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 100084.402D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 921 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Escherichia coli LE392/PHDL, DSM 7054
; US-08-795-475-2

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Query Match      1.2%; Score 45.2; DB 2; Length 921;
Best Local Similarity 42.8%; Pred. No. 0.091;
Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

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QY 628 gaagtaacaaagcgtgtgaagcaggaatttagacaaagcctgctgtgataca 687
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DB 19 GAACACACGAAACACACAGAACTGATTGAGAAAGAAAGTAACATCAAACTTAACCTA 78
QY 688 atcaatcaactactaccacaaagtaacagatgcttcaaaacgaactaacagaagtagcg 747
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 79 ATCTTTGCAATATGGAAGCACAACATGTGCAAGATTCAAAAGCAACATTTGAAAAAGCAACA 138
QY 748 aaaaaagcatgatagcagatgaagcgtgctactccaaagttgaagtgtaagtcg 807
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 139 TCAGAAAGCTTATGCCATACATCTTTGAAGAAAGCAATGAGAAATATCTAGAT 198
QY 808 attaacaccacaaacaaagcgtgtgaatataacagcagtaaccagtaacagcactaaaa 867
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 199 GTTGACGATTAAGGTTATATCTTTAAATTTGCTGGAAGCAAAAAACACAGAA 258
QY 868 ttacaacttcagctgctgcaaatgaagatacagtaaacgttaatactgtacgtatcat 927
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 259 GAACCAAAAGAAAGTACTTAAAGCAAACTTAATCTATGACAGATGGAAGAAACACAA 318
QY 928 aaagtggacggttaacattccattgccccttaacagcagaatgttcttactacagac 987
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 319 ACAGCAGAAATTCAAAGCAATTTGGAAGAACACAGCAAGCAATACATATGACAGAT 378
QY 988 ggaaaacatcatcgtgtgatacttcaactcattcgaataataatcaggaatataagta 1047
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 379 GCATTTAAGAGAGACAAATGAGAAATATACATGACGTTGCAAGATTAAGGTTATCTTAA 438
QY 1048 gtagttaaaggtatlaaagacaaatggcagaagaattlaaagaagatgcattcattc 1107
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 439 AATATTAATTTGCTGGAAAGAAAAACACCAAGAACCAAAACAAAGTTACTATT 498
QY 1108 aagcttcgaatgatgctgtgttactcaagtgttggaaactaagttaacaaacaaact 1167
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 499 AAAGCAAACTTAATCTATCTATGACATGAGAAAA---ACACAACACAGCAAAATTCAAAGGAA 555
QY 1168 tctgttaaacttagcagcagtagcttgcacactgaagataactttaaacttagtagtatt 1227
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 556 TTTGGAAGAAAGCAACAGCAACATACAGATATGCTGACTTTATGCAAAAAAGAAATGGT 615
QY 1228 aagtgcttagcacctgaacatgtaaacagctcgaacgttactacttaacagatgtgaact 1287
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 616 AATATATACGTAGACGTTGCACATTAAGGTTATCTTAAATATTAATTTGCTGGAANA 675
QY 1288 ggaaaa 1293
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DB 676 GAAAAA 681

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RESULT 15
US-08-795-475-4

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; Sequence 4, Application US/08795475
; Patent No. 5965390
; GENERAL INFORMATION:
; APPLICANT: Bjvick, Lars
; APPLICANT: Sjobring, Ole
; TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,475
; FILING DATE: 11-FEB-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mcmasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 100084.402D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1308 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Escherichia coli L392/PHDLG, DSM 7055
; US-08-795-475-4

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Query Match      1.2%; Score 45.2; DB 2; Length 1308;
Best Local Similarity 42.8%; Pred. No. 0.1;
Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

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QY 628 gaagtaacaaagcgtgtgaagcaggaatttagacaaagcctgctgtgataca 687
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 19 GAACACACGAAACACACAGAACTGATTGAGAAAGAAAGTAACATCAAACTTAACCTA 78
QY 688 atcaatcaactactaccacaaagtaacagatgcttcaaaacgaactaacagaagtagcg 747
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 79 ATCTTTGCAATATGGAAGCACAACATGTGCAAGATTCAAAAGCAACATTTGAAAAAGCAACA 138
QY 748 aaaaaagcatgatagcagatgaagcgtgctactccaaagttgaagtgtaagtcg 807
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 139 TCAGAAAGCTTATGCCATACATCTTTGAAGAAAGCAAAATGAGAAATATCTAGAT 198
QY 808 attaacactcaaaacaaagcgtgtgaatataacagcagtaaccagtgaaaggaactaaa 867
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 199 GTTGACGATTAAGGTTATATCTTTAAATTTGCTGGAAGAAAGAAAAACACAGAA 258
QY 868 ttacaacttcagctgctgcaaatgaagatacagtaaacgtaaatcagtagtattcat 927
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 259 GAACCAAAAGAAAGTACTTAAAGCAAACTTAATCTATGACAGATGGAAGAAACACAA 318
QY 928 aaagtggacggttaacattccattgccccttaacagcagaatgttcttactacagac 987
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 319 ACAGCAGAAATTCAAAGCAACATTTGGAAGAACACAGCAAGCAATACATATGACAGAT 378
QY 988 ggaaaacatcatcgtgtgatacttcaactcattcgaataataatcaggaatataagta 1047
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Db 379 GCATTAAAGAGACAAATGAGAAATATACAGTACGTTGCAGATTAAGTTAATCTTAA 438
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    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Qy 1108 aagcttcgaatgatgctgtaagtlactcaagtggttggaactaatgtaacaacaacact 1167
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Db 499 AAAGCAACTTAATCTATGCAATGAAAA---ACACAACACAGCAGAAATTCAAAGGACAA 555
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Db 556 TTTGAAGAAGCAACAGACATACATATGCTGACTTATTAGCAAAAGAAATGGT 615
Qy 1228 aagtgtagcgcctgaacctgtaacagctcgaacgttactattacagatgttgaact 1287
    || | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Qy 1288 ggaaaa 1293
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Db 676 GAAAAA 681
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